

Grade 7 – Strand: Patterns and Relationships

By: Kelly, Christine, and Bryan

Pre-Knowledge What do you need to know to start learning this concept?	Concept	Future Concepts What future concepts can you learn once you understand this concept?	Real World Connection How does learning this connect connect to the real world in a meaningful?
<ul style="list-style-type: none"> Addition/Subtraction Multiplication/Division Cartesian Co-ordinate System and plotting points 	<ul style="list-style-type: none"> Represent linear growing patterns 	<ul style="list-style-type: none"> Arithmetic sequences and series 	<ul style="list-style-type: none"> The Fibonacci Sequence and patterns in nature
<ul style="list-style-type: none"> Addition/Subtraction Multiplication/Division Communication skills 	<ul style="list-style-type: none"> Make predictions about linear growing patterns 	<ul style="list-style-type: none"> Summation Tables of values 	<ul style="list-style-type: none"> Data analysis Probability and Statistics
<ul style="list-style-type: none"> Addition/Subtraction Multiplication/Division Solving and modeling algebraic equations Working with variables 	<ul style="list-style-type: none"> Develop and represent the general term of a linear growing pattern, using algebraic expressions involving one operation 	<ul style="list-style-type: none"> Algebra and Functions 	<ul style="list-style-type: none"> Modeling data as a functions
<ul style="list-style-type: none"> Addition/Subtraction Multiplication/Division Identifying patterns Communication skills Solving and modeling algebraic equations Working with variables 	<ul style="list-style-type: none"> Creating an algorithm to find a higher-order term. 	<ul style="list-style-type: none"> Computer Science 	<ul style="list-style-type: none"> Fractal patterns